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BEFORE THE BOARD OF OIL, GAS, AND MINING
DEPARTMENT OF NATURAL RESOURCES
in and for the STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF)
GEOKINETICS INC., FOR AN ORDER)
PERMITTING A PILOT OIL SHALE)
DEVELOPMENT PROGRAM TO TEST THE)
TECHNICAL FEASIBILITY OF EMPLOYING)
AN IN-SITU RETORT PROCESS FOR THE)
RECOVERY OF KEROGEN FROM OIL SHALE)
UINTAH COUNTY, UTAH.)

ORDER
CAUSE NO. 161-1

Pursuant to the Application of Geokinetics, Inc., Cause No. 161-1 came on for hearing before the Board of Oil, Gas, and Mining, Department of Natural Resources, State of Utah, on Wednesday, September 17, 1975, in the Executive Conference Room - Holiday Inn, 1659 West North Temple, Salt Lake City, Utah. The following Board Members were present:

Guy N. Cardon, Chairman
Charles R. Henderson
Hyrum L. Lee
James P. Cowley

Also Present:

Cleon B. Feight, Director
Division of Oil, Gas, and Mining

Ron Daniels, Coordinator, Mined Land Development
Division of Oil, Gas, and Mining

Patrick L. Driscoll, Chief Petroleum Engineer
Division of Oil, Gas, and Mining

Edgar W. Gynn, District Engineer
United States Geological Survey

Appearances were made as follows:

For the Applicant:
John Downen

Applicant presented evidence in support of its Application and statements in support of the Application were made by Mr. John Downen.

No persons appeared or submitted statements in opposition to the Application.

NOW, THEREFORE, the Board having considered the evidence adduced at the hearing and being fully advised in the premises, now makes and enters the following:

FINDINGS

1. Due and regular notice of the time, place and purpose of the hearing in Cause No. 161-1 was given to all interested parties in the form and manner and within the period required by the laws of the State of Utah and the Rules and Regulations of the Board.

2. The Board has jurisdiction over the subject matter of said Application and the parties interested therein, and has jurisdiction to make and promulgate the Order hereinafter set forth.

3. Applicant proposes to conduct a series of in-situ recovery operations on a portion of a 160-acre tract owned by the State of Utah in Section 2, Township 14 South, Range 22 East, SLBM, Uintah County, Utah.

4. Said area is underlain by a section of oil shale approximately 20 feet thick. The kerogen cannot be recovered on an economically feasible basis by conventional production methods. The pilot project will consist of one or two wells, and related surface equipment.

5. The proposed project provides adequate protection for fresh water sources in the area of the project.

6. It is in the public interest that Applicant be allowed to proceed with the project in order to test the possibility of developing the oil resources contained in the oil shale of Utah on an economically feasible basis.

IT IS, THEREFORE, ORDERED:

1. That the Applicant is hereby authorized to conduct a pilot in-situ combustion or "fireflood" project in Section 2, Township 14 South, Range 22 East, SLBM, Uintah County, Utah.

2. That the Applicant Shall:

- a. Notify the Division of the testing date immediately upon commencement of operations.
- b. Notify the Division of the date of discontinuance and the reason therefor within ten (10) days after the discontinuance of operations.
- c. Notify the Division before any well is plugged and follow the procedure provided for the plugging of such a well.
- d. Keep accurate records, showing kerogen produced.

3. That the Applicant shall not expand the project without the prior approval of the Board.

4. That the Board retains continuing jurisdiction over all matters covered by the Order and over all parties affected thereby.

ENTERED this 17th day of September, 1975.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
BOARD OF OIL, GAS, AND MINING


GUY N. CARDON, Chairman

CHARLES R. HENDERSON


HYRUM L. LEE


JAMES P. COWLEY